

PROJECT: Midnite Mine Remediation

REPORT NO: 2019-021

OWNER: Newmont/Dawn Mining

OPERATOR: Newmont/Dawn Mining

Summary of Work Activities or Events for this reporting period:

This weekly report provides a summary of Midnite Mine Site (Site) remediation action (RA) construction activities, quality assurance (CQA), quality control (CQC) and engineering activities for the period August 16 – August 22, 2019. The Site activities discussed in this weekly report include, but are not limited to: Site Health, Safety, and Security; Community Liaison, Project Meetings, Regulatory Oversight, Site Visitors; Site Mobilization; RA Activities; Project Documentation; and Site Inspections.

The project SharePoint site includes the Project documentation discussed in this report. Access to the project SharePoint site is available at the following link: <https://amcollab.mwhtools.com/sites/midnitemine>

SITE HEALTH, SAFETY, AND SECURITY

MIDNITE MINE HEALTH & SAFETY SUMMARY: Reporting Period August 16 – August 22, 2019

FIRST AID INJURY	0	PROPERTY DAMAGE	0
MEDICALLY TREATED INJURY	0	NEAR MISS INCIDENT	0
RESTRICTED WORK INJURY	0	RADIATION PROTECTION PLAN (RPP) – ISSUES REPORTED	0
LOST TIME INJURY	0		

Comments: No incidents or injuries occurred during the reporting period.

COMMUNITY LIAISON

No issues or concerns were reported or received by Newmont from the Spokane Tribe of Indians Community Liaison Officer.

PROJECT MEETINGS, REGULATORY OVERSIGHT, AND SITE VISITORS

Weekly Progress Meeting:

The Weekly Construction Progress meeting was held at 1000 hours on Wednesday, August 21, 2019 at the on-site conference room and via conference call. Representatives from the following stakeholders attended the meeting in person or via telephone:

- Environmental Protection Agency (EPA)
- Spokane Tribe of Indians
- Jacobs
- Dawn Mining Company (DMC)/Newmont Goldcorp
- Stantec
- Ajax
- WME

Meeting Action Items:

- None.

EPA Plan/Document Approvals:

- None

Regulatory Site Visit(s):

- Representatives from EPA and Jacobs were on site on August 20 to audit the Radiation Protection Program.
- Representatives from EPA and of the Spokane Tribe were on site on August 21.

REMEDIAL WORK ACTIVITIES

Construction:

During the week of August 16 – August 22, 2019, the following activities were conducted:

- Continued excavating, hauling and placing low activity/low reactivity material to Pit 4 from the west and north sides of the South Waste Rock Pile (SWRP). Material from SWRP was placed on the north, east, and west sides of Pit 4 to create the rind buffer area, at the south end of the Pit 4 backfill to form the 20' radon buffer on the outer waste surface, and in the unclassified waste zone in the interior of the pit.
- Began excavating and hauling Low-Activity/Low-Reactivity waste mixed with wood chips consistent with RFI 2019-003 from the Temporary Impacted Soil Stockpile (TISS) and placed it in the unclassified waste zone of the Pit 4 Waste Containment Area backfill as shown on Sheet 8-5 of the Basis of Design Report (BODR, MWH 2015) drawings. CQC and CQA verified thickness of woodchips in the TISS and that wood chips were thoroughly mixed with soil as placed in Pit 4.
- Surveyed Protore Stockpiles 1 and 2 to confirm that stockpile materials were removed to the lines and grades shown on the design drawings. A small amount of material (less than 10 cubic yards) of remaining high activity/high reactivity material was identified. This material was removed from the stockpiles and placed in the unclassified waste zone in the interior of the Pit 4 backfill as required.
- The above materials were excavated with either excavator or loader equipment and transported and plug dumped with haul trucks. The plug dumps were leveled with a dozer into lifts not exceeding 10' thick. Table 1 presents the 2019 Pit 4 mass haul material volume.

Table 1 – 2019 Pit 4 mass haul volume estimates

Reporting Period	Truck Loads	Estimated Volume ¹ yd ³
August 16 – August 22, 2019	3,933	110,124
2019 Cumulative	60,027	1,680,756

¹ - Truck load assumed to be 28 yd³

- The final set of Pit 4 vertical dewater risers for 2019 were installed.
- Extended placement of Geocomposite Clay Liner (GCL) and Drain Gravel in Finger 2 of the Infiltration Collectors on the west side of Pit 4.
- Relocated supplies and materials from the laydown area on the South Waste Rock Pile, south of the maintenance area to the laydown area located in the Backfilled Pits Area.
- Performed road maintenance and applied lignosulfonate on the East Access Road.
- Began the High Road along the north side of Protore Stockpile 4 and west of Pit 3 in the vicinity of the former light vehicle road.
- Conducted site walk with Newmont, Envirocon and Wm. Winkler in preparation for placement of the South Pond Spillway concrete.
- Pit 4 tension crack was measured on August 19. The horizontal distance between movement pins remains at 53.75 inches, indicating no measurable movement.

- None.

- None.

The following equipment was mobilized to the Site during this reporting period.

- Caterpillar 305 excavator.

The following equipment was demobilized from the Site during this reporting period.

- None.

All project owned non-road diesel equipment on Site is US-EPA Tier 4 compliant. On-site rental equipment and subsequent deliveries of rental equipment may be less than Tier 4 and will be assessed at the time of delivery.

The following material was delivered to the Site during this reporting period.

- Fittings and fasteners for the South Pond

Six dust monitors were operated during construction activities at the locations and for the time intervals listed in Table 2. The Total Suspended Particulate (TSP) action level of 260 micrograms/cubic meter was not exceeded during the reporting period.

Bison Engineering was on site on August 20 for the monthly calibration of the dust monitors

Sampler ES-6 was down from approximately 5:00 p.m. through the end of night shift on Wednesday, 8/21/2019 due to a drained battery. The solar panel was re-positioned to optimize the absorption of solar radiation throughout the day.

Table 2 - TSP Dust Monitoring Locations during reporting period August 16 – August 22, 2019

Monitor ID	Location Description	Start Date	Status						
			Fri	Sat	Sun	Mon	Tue	Wed	Thurs
ES-1 (stationary)	Midnite Mine Top of Pit 4	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-2 (stationary)	Midnite Mine Southeast Boundary	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-3 (stationary)	Midnite Mine West Boundary	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-4 (roving)	East of the SWRP/TISS Area	08/19/19	D/N			D/N	D/N	D/N	D/N
ES-5 (roving)	Spare								
ES-6 (roving)	East Side of Pit 4	08/13/19	D/N			D/N	D/N	D/*	D/N
ES-7 (roving)	Southwest Side of Area 5	07/12/19	D/N			D/N	D/N	D/N	D/N
ES-8 (stationary)	Spare								

D=Day Shift (6:00 am to 4:30 pm)
 N=Night Shift (4:00 pm to 2:30 am)
 E=Environmental conditions (Fog, smoke, pollen, heavy rain, etc.) – No Operation
 * Equipment malfunction (Battery/Power Supply or Other)

PROJECT DOCUMENTATION

Project Submittals, Engineering Change Notices (ECNs), Requests for Information (RFIs), Non-Compliance Notifications (NCNs), CQA-CQC Field Acceptance Forms and Other Items received, changed or noted during this time-period are shown in the table below:

Table 3 – CQA Documentation

Project Submittals			
Submittal No.	Title	Submittal Date	CQA Acceptance Date
02280-02.00	Geocomposite Drainage Layer	7/26/2019	8/9/2019 <i>Sent to EPA</i>
02272-09.00	South Pond Geomembrane Installation Contractor	7/26/2019	8/14/2019 <i>Sent to EPA</i>
02275-05.00	South Pond Geonet – Additional Rolls (2) Production Certifications	8/5/2019	8/14/2019 <i>Sent to EPA</i>
Project ECNs			
ECN No.	Title	EPA Submittal Date	EPA Response Date
None			
Project RFIs			
RFI No.	Title	CQC Submittal Date	CQA Response Date
2019-013	South Pond Details	7/29/2019	8/12/2019 <i>EPA Comments Received 8/19/2019</i>
2019-014	Unidentified Metal Casing West of South Pond	8/14/2019	8/19/2019 <i>EPA – No Comments 8/21/2019</i>
Project NCNs			
NCN No.	Title	CQA Issue Date	CQC Response Date
None to Date			
CQC-CQA Field Acceptance Forms			
CQC-CQA Acceptance No.	Title	CQC-CQA Issue Date	
None			
Item	Title	Comments	
None			

Copies of the updated CQA Logs are located on the project SharePoint site under the 2019 CQA Folder.

SITE INSPECTIONS

Details regarding the four-phase CQA observation/inspection process for each definable work feature are summarized below and are further detailed in the daily CQC/CQA reports that are available on the project SharePoint site.

Preparatory Inspections / Meetings

None during this time-period.

Initial Phase Inspections

None during this time-period.

Follow-up Phase and Ongoing Inspections

Daily observations/inspections were performed by CQA during this time-period pursuant to project specifications, design drawings and project documentation for applicable activities shown in the Construction Section of the Remedial Work Activities portion of this report.

Completion Inspections

None

THREE WEEK LOOKAHEAD SCHEDULE

Three Week Lookahead Schedule

A copy of the Three Week Lookahead Schedule is provided as Attachment A.

Report completed and submitted by:

David Lee
Project Construction Director

Attachments

- Attachment A – Midnite Mine 3 Week Lookahead Schedule

Photos of pertinent items are provided below.



Figure 1 – 390 excavator loading material from the north end of the SWRP.



Figure 2 – D6 Dozer spreading wood chips onto the SWRP/TISS cut area. The stake indicates the depth of the wood chips with the red arrow marking 2 feet from the bottom of the stake.



Figure 3 – Pit 4 Waste Containment Area backfill, looking southwest.



Figure 4 – Overview of Pit 4

ATTACHMENT A

MIDNITE MINE THREE WEEK LOOKAHEAD SCHEDULE

